

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

| | | | |
|--|--|--|--|
| 1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER | | 5. LEASE DESIGNATION AND SERIAL NO. NM 14914 | |
| 2. NAME OF OPERATOR Jerome P. McHugh | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME | |
| 3. ADDRESS OF OPERATOR P. O. Box 234, Farmington, NM 87401 | | 7. UNIT AGREEMENT NAME Valencia Canyon Unit | |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1500' FNL - 1600' FWL | | 8. FARM OR LEASE NAME | |
| 14. PERMIT NO. | | 9. WELL NO. #36 | |
| 15. ELEVATIONS (Show whether OF, RT, GR, etc.) 7177' GR | | 10. FIELD AND POOL, OR WILDCAT Choza Mesa PC | |
| | | 11. SEC., T., R., M., OR BLK. AND SURVEY OR ARMA Sec. 14 T28N R4W | |
| | | 12. COUNTY OR PARISH Rio Arriba | |
| | | 13. STATE NM | |

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT ON: | |
|-------------------------|--------------------------|-----------------------|--------------------------|
| TEST WATER SHUT-OFF | <input type="checkbox"/> | PULL OR ALTER CASING | <input type="checkbox"/> |
| FRACTURE TREAT | <input type="checkbox"/> | MULTIPLE COMPLETE | <input type="checkbox"/> |
| SHOOT OR ACIDIZE | <input type="checkbox"/> | ABANDON* | <input type="checkbox"/> |
| REPAIR WELL | <input type="checkbox"/> | CHANGE PLANS | <input type="checkbox"/> |
| (Other) | <input type="checkbox"/> | | <input type="checkbox"/> |

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

6-19-78 Moved in and rigged up Farmington Well Service rig. Installed BOP. Went in hole with 132 jts 1-1/4" OD 2.4# JCW 10R EUE tbg. Tagged bottom at 4255'. Circulated hole with KCL water. Pressure tested csg and BOP to 4000 psi. Held OK. Spotted 250 gal. 15% HCl. Pulled 20 jts tbg.

6-20-78 PBTD 4255'. Pulled tbg. Blue Jet ran bond log - bond OK across zones of interest. Ran gamma ray correlation log. Perforated with 1 jet/ft 4102-22. When gun was 700' from surface, pulled out of rope socket, did not pull any additional weight or hit tight spot. Lost gun, collar locator and rope socket in hole. Waited 3 hrs to get overshot from town. Ran 3-1/8" overshot on 1-1/4" tbg. Recovered fish. No wires on or in rope socket. Completed perf 1 jet/ft 4123-82. Perforated total of 80 holes 4102-4182.

(CONT'D ON BACK)

18. I hereby certify that the foregoing is true and correct

SIGNED Thomas A. Dugan
(This space for Federal or State office use)

TITLE Agent

DATE 6-22-78

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

6-21-78

Western Co. hooked up, broke perf down at 900 psi. IR 13 B/M at 350 psi. Nowsco hooked up, waited on Nowsco truck, pumped foam 2-1/2 min. Shut down to get ISDP 1300 psi. Shut blind rams and bled off to check pipe rams. Held OK. Foam frac lower Pictured Cliffs Fm w/70 quality foam 2# 10-20 sand per gal. of foam. Ave. Press. 2200 psi, IR 40 B/M foam, pumped 11-1/2 min. Western Co. developed leak in line. Shut down, installed new valve, displaced hole with Nitrogen, repaired line. Started foam frac again at same rates. Foam frac used 300,000 lbs 10-20 sd, 291 gal. adafoam, 1154 Bbls 3% KCl water, 1,777,160 st. cu. ft. nitrogen. Made 5 ball drops of 10 balls each. Small amount of press increase on last two drops. IF 1900 psi, Max 2150 psi, Ave 2100 psi, Min 1750 psi Final 1700 psi, ISDP 1300 psi. 3 Min. shut in 1100 psi. Dropped 3-3/4" ball, pumped ball to baffle, press tested to 3000 psi, held OK. Blue Jet perf 1 jet/ft 3924-38, 3972-84, and 3994 to 4024, total of 56 holes. Broke perfs down with KCl water, pumped in at 500 psi 13 B/M. Western Co. and Nowsco foam frac upper Pictured Cliffs Fm using 100,000 lbs 10-20 sd, 431 Bbls 3% KCl water, 108 gal. adafoam, 645,200 st. cu ft of nitrogen, IF 2050 psi, Ave 2150, Min 2050, Max 3500 Final 3500 ISDP 1350 psi. 5 min Shut in 1100 psi Ave. foam IR 40 B/M. Made three ball drops of 10 balls each, first drop 25 psi increase, 2nd drop 300 psi press increase, 3rd drop 650 psi press increase and rate drop to 25 B/M of foam. Shut well in one hour while rigging down Western and Nowsco. Rigged up valve, tees and flow line on top of BOP. Flowed well back and recovered 3-3/4" ball. Flowed well back thru 1" positive choke nipple and 2" flow line. Flowed well overnight.

6-22-78

Blew well for 24 hrs. Well guaged 3000 MCFGPD at end of 24 hrs. Ran 127 jts 1-1/4" OD 2.4# 10R EUE V-55 tbg. TE 4119.86 set @ 4130' RKB. Nippled down BOP and nipped up wellhead. Rig released 5:30 p.m. 6-22-78. Shut well in.